

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: January 7, 1994
Date Received: December 30, 1993
Project: 7238, Metro Self Monitor, PO #M32459
Date Samples Extracted: December 30, 1993
Date Extracts Analyzed: January 3, 1994

**RESULTS FROM THE ANALYSIS OF THE PROCESS WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL AND ZINC
per Washington DOE Guidelines
Results Reported as mg/L (ppm)**

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M32459	0.25	0.17	0.16	<0.05
<u>Quality Assurance</u>				
Blank	<0.05	<0.05	<0.05	<0.05
M32459 (Duplicate)	0.28	0.18	0.17	<0.05
M32459 (Matrix Spike) % Recovery	90%	93%	90%	87%
M32459 (Matrix Spike Duplicate) % Recovery	90%	93%	91%	89%
Spike Blank % Recovery	95%	98%	94%	88%
Spike Level	5	5	10	5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3008-B 16th Avenue West
Seattle, WA 98119
FAX: (206) 283-5044

January 7, 1994

Gerald Thompson, Project Leader
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on December 30, 1993 from Project 7238, Metro Self Monitor, PO #M32459.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,



Bradley T. Benson
Chemist

BTB/dp

Enclosures

FRIEDMAN & BRUYA, INC.

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DUPLICATE COPY

January 7, 1994

INVOICE # 94ACU0107-1

Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project 7238, Metro Self Monitor, PO #M32459: Results of testing requested
by Gerald Thompson, Project Leader and submitted on December 30, 1993.

1 process water sample analyzed for Chromium,
Copper, Nickel and Zinc @ \$65 per sample

\$ 65.00

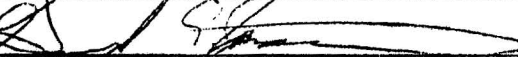
Amount Due

\$ 65.00

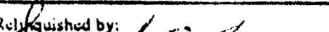

FRIEDMAN & BRUYA, INC.
2008-B 16th Avenue West
Seattle, WA 98119

SAMPLE CHAIN OF CUSTODY

Send Report To: Alaskan Copper Works Contact Gerald Thompson
Company PO Box 3596
Address Seward, AK 98124
City, State, Zip (206) 623-5800 Date 12-30-93
Phone # X718

SITE NO.	PROJECT NAME	PURCHASE ORDER #
7238	metro Self monitor	m 32459
SAMPLERS (signature)	PROJECT LOCATION	
	3200 6 th Ave S.	
REMARKS	SAMPLE DISPOSAL INFORM.	
	<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions	

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	Gerald Thompson	Alaska Copper	12/30/99	08:53am
Received by: 	S Cohen	F + B, Inc	12/30/99	08:54
Relinquished by:				
Received by:				